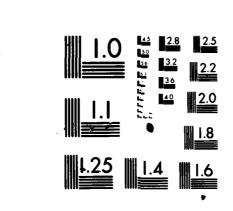
AD-A115 018

ARMY ELECTRONICS COMMAND WHITE SANDS MISSILE RANGE N-ETC F/0 4/2
193180 AND 19319A MLRS MISSILE NUMBERS BN-032, BN-022, BN-023, C-ETC(U)

WHICH SELECTION AND 19319A MLRS MISSILE NUMBERS BN-032, BN-022, BN-023, C-ETC(U)

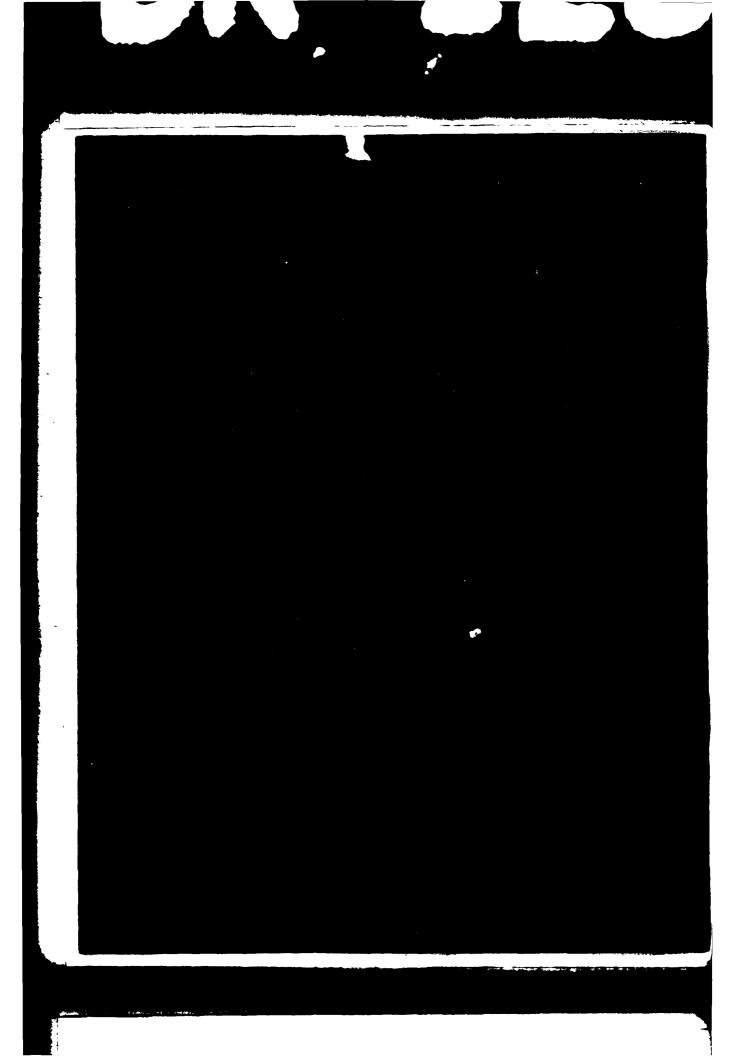
ML

END
OUT
7-82
Out
7-82



MICROCOPY RESOLUTION TEST CHART NATIONAL BUREAU OF STANDARDS-1963-A





UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Date Entered)

REPORT DOCUMENTATION PAGE	READ INSTRUCTIONS BEFORE COMPLETING FORM
. 1 2	3. RECIPIENT'S CATALOG NUMBER
DR 1230 AD-A115015	
4. TITLE (and Subsists) 19318B and 19319A	5. Type of Report & Period Covered
Missile Number BN-032, BN-023, BN-022, BN-025,	
BN-026, BN-029	6. PERFORMING ORG. REPORT NUMBER
Round Number V-238/MD-90 thru V-243/MD-95	8. CONTRACT OR GRANT NUMBER(s)
AUTHORES	CONTRACT OR GRANT NUMBER(S)
White Sands Meteorological Team	DF Task 1F665702D127-02
9. PERFORMING ORGANIZATION NAME AND ADDRESS	10 BROCKAN SI EMENT BROJECT TARK
FERFORMING ORGANIZATION NAME AND ADDRESS	10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
·	
US Army Electronics Research & Development Cmd	12. REPORT DATE April 1982
Atmospheric Sciences Laboratory	13. NUMBER OF PAGES
White Sands Missile Range, New Mexico 88002	29
US Army Electronics Research and Development Cmd	15. SECURITY CLASS. (of this report)
Adelphi, MD 20783	UNCLASSIFIED
, , ,	154. DECLASSIFICATION/DOWNGRADING
16. DISTRIBUTION STATEMENT (of this Report)	L
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from	en Report)
Approved for public release; distribution unlimite	d.
18. SUPPLEMENTARY NOTES	
·	
19. KEY WORDS (Continue on reverse side if necessary and identify by block number)	
13. REY WORDS (Continue on tevere side in income y and income y side in income y	
20. ABSTRACT (Cantinue on reverse olds If recovering and identify by block number)	
Meteorological data gathered for the launching of	the 19318B and 19319A MLRS
Missile Number BN+032, BN-023, BN-022, Bn-025, BN+	026. BN-029. Round Number
V-238/MD-90 thru V-243/MD-95 are consulted in	abular form.
	√
	\
	1.

DD 1 JAN 78 1473 EDITION OF 1 HOVES IS OSCOLETE

UNCLASSIFIED
SECURITY CLASSIFICATION OF THIS PAGE (When Date Entered)

	CONTENTS	PAGE
INTRODU	ICTION	- 1
DISCUSS)	- 1
GENERAL	. AREA MAP	- 2
LAUNCH	AREA DIAGRAM	- 3
TABLES		
1.	Surface Observation Taken at 1020 and 1028 MST at LC-33	- 4
2.	Anemometer-Measured Wind Speed and Direction, LC-33 Fixed Pole, Taken at 1020 MST	- 5
3.	Anemometer-Measured Wind Speed and Direction, Tower Levels 1, 2, 3, and 4, Taken 1020 MST	- 5
4.	Anemometer-Measured Wind Speed and Direction, LC-33 Fixed Pole, Taken at 1028 MST	- 6
5.	Anemometer-Measured Wind Speed and Direction, Tower Levels 1, 2, 3, and 4, Taken at 1028 MST	. 6
6.	Launch and Impact Area Pilot-Balloon Measured Wind Data Taken at 1020 MST	- 7
7.	Launch and Impact Area Pilot-Balloon Measure Wind Data Taken at 1028 MST	- 8
8.	Aiming and T-Time Computer Met Message	- 9
9.	WSD Significant Level Data at 0700 MST	- 10
10.	WSD Upper Air Data at 0700 MST	. 11
11.	WSD Mandatory Levels at 0700 MST	· 13
12.	LC-37 Significant Level Data at 0830 MST	. 14
13.	LC-37 Upper Air Data at 0830 MST	- 15
14.	LC-37 Mandatory Levels 0830 MST	. 17
15.	WSD Significant Level Data at 0900 MST	- 18
16.	WSD Upper Air Data at 0900 MST	- 19
17.	WSD Mandatory Levels at 0900 MST	- 21
18.	LC-37 Significant Level Data at 1020 MST	- 22
19.	LC-37 Upper Air Data at 1020 MST	- 23
20	IC 27 Mandatany Lavala at 1020 MCT	25

INTRODUCTION

19318B/19319A MLRS, Missile Numbers BN-032, BN-023, BN-023, BN-025, BN-026, and BN-029, were launched from LC-33, White Sands Missile Range (NSMR), New Mexico, at 1020:05, 1020:09, 1020:14, 1028:29, 1028:34 and 1028:38 MST, 16 April 1982. The scheduled launch times were 1000, 1000:04.5, 1000:09, 1005, 1005:04.5 and 1005:09 MST.

DISCUSSION

Meteorological data were recorded and reduced by the White Sands Meteorological Team, Atmospheric Sciences Laboratory (ASL), White Sands Missile Range, New Mexico. The data were obtained by the following methods:

1. Observations

- a. Surface
- (1) Standard surface observations to include pressure, temperature (O C), relative humidity, dew point (O C), density (gm/m 3), wind direction and speed, and cloud cover were made at the LC-33 Met Site at T-0 minutes.
- (2) Anemometer data were provided from existing pole-mounted and tower-mounted anemometers at LC-33. Monitor of wind speed and direction from one anemometer was also provided in the launch control room.
 - b. Upper Air
- (1) Low level wind data were obtained from Pilot-Balloon observations at:

SITE AND ALTITUDE

WSD 2 Km

SITE AND TIME

(2) Air structure data (rawinsonde) were collected at the following Met Sites.

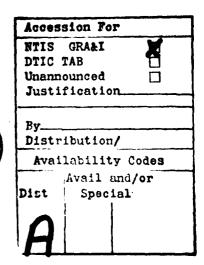
WSD

LC-37

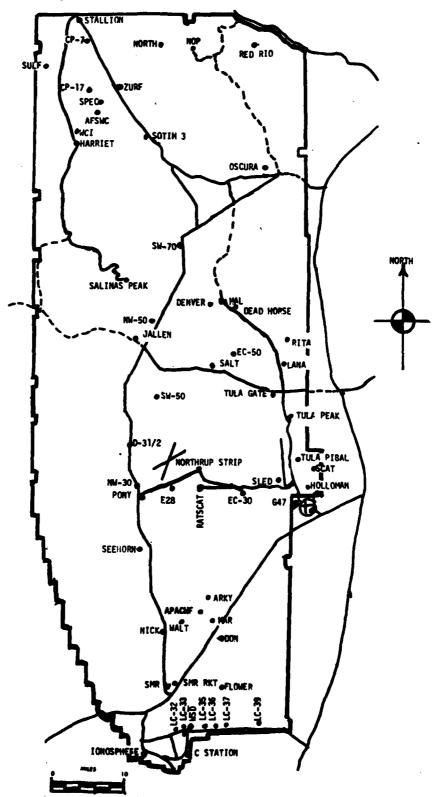
WSD LC-37	0900 1020	
		DEIG DOPY INSPECTED

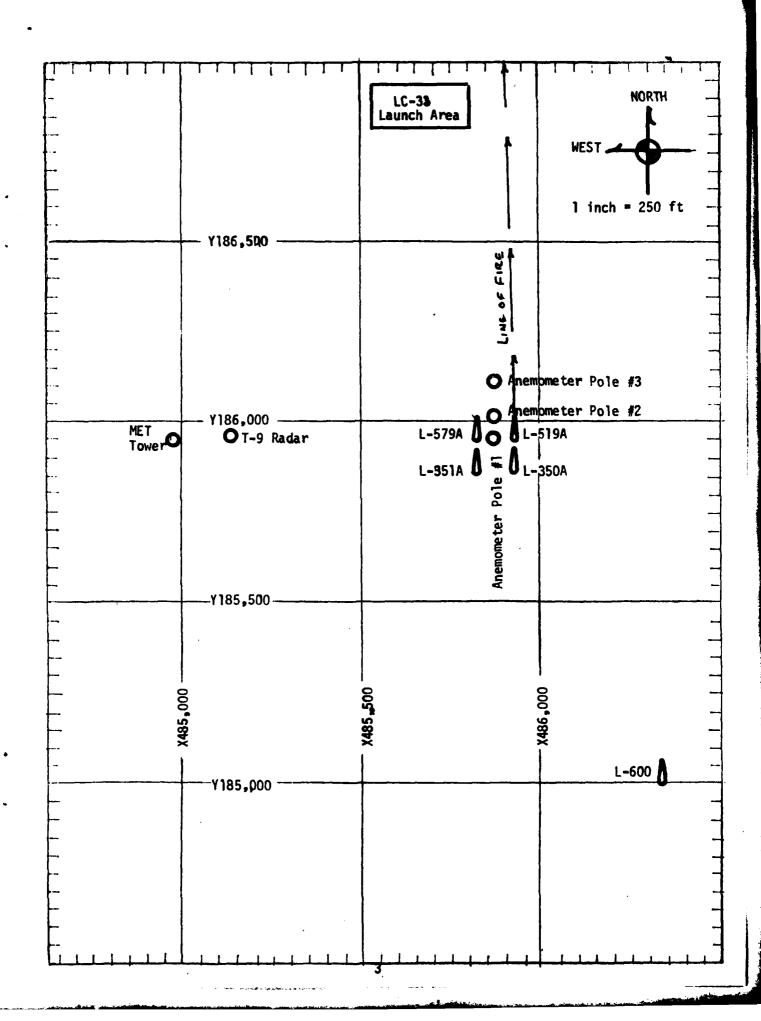
0700 MST

0830 MST



WSMR METEOROLOGICAL SITES





PROJECT SURFACE OBSERVATION

TABLE 1							U)	STATION LC 33 E & A	33 E & A		
DATE 16	DATE 16 APR 82	82	ı				3et	= 484,982.6	4 Y= 1	X= 484,982,64 Y= 185,957,73 H= 3995.00	= 3995.00
118E	PRESSURE TE	TEIPERATURE OF OC	ATURE OC	DEW POINT	01:17 0	PELATIVE HUMIDITY %	SCHSTIY SCHSTIY	DIRECTION degs In	WIND SPEED kts	MIND SPEED CHARACTER kts kts	VISIBIL- ITY
1020	876.6		21.5		-4.8	17.	1031	300	90		20
1028	876.6		21.8		-5.0	16	1032	255	12		20

	REMARKS		Car	CLEAR	CI FAR			
	3rd LAYER	TYPE HGT						
	[3	A:T		-				
S	ER	HST				-		
CI OUDS	2nd LAYER	TYPE	, 	_		-	•	
	;	AP	-			-		-
	WER	E 1 HGT						-
	1st Li	AMT TYPE HGT		-				
	OBSTRUCTIONS T	TO VISIBILITY						

PSYCHROMETRIC COMPUTATION

TINE:	1020	1028	
DRY BULB TEMP.	21.5	21.8	
WET SULB TEI'P.	8.9	9.0	
WET BULB DEPR.	12.6	12.8	
DEW POINT	-4.8	-5.0	
RELATIVE HUMID.	17	16	

POLE #1 X485,87 Y185,95 H4018.7 38.7 ft	8.90 4		POLE #2 X485,874 Y186,012 H4033.57 53.0 ft	1.93 2.00 7		POLE # X485,87 Y186,110 H4063.93 83.6 ft	7.29 6.06 2	
T-TIME SEC	DIR DEG	SPEED KTS	T-TIME SEC	DI R DE G	SPEED KTS	T-TIME SEC	DI R DE G	SPEED KTS
T-30	249	10	T-30	287	07	T-30	283	12
T-20	265	11	T-20	275	08	T-20	275	11
T-10	258	11	T-10	272	09	T-10	279	12
T0.0	253	11	T0.0	271	09	T0.0	258	03
T+10	255	10	T+10	275	09	T+10	283	11

TABLE	3	LC-33 METEOROLOGICAL	TOWER ANEMOMETE	R MEASURED WINDS	(202	FT TO	OWER)

LEVEL #1, X484,982.6		73, H3983.00 (base)	LEVEL #2, 62 X484.982.64		3, H3983.00 (base)
T-TIME SEC	DIR DEG	SPEED KTS	T-TIME SEC	DIR DEG	SPEED KTS
T -30	293	08	T-30	273	11
I20	277	08	T-20	285	10
T-10	305	07	T-10	290	09
70.0	295	06	T 0.0	275	07
+10	248	06	T+10	253	12

LEVEL #3, 10 X484,982.64	2 FEET 1185,057.7	3, H3983.00 (base)	LEVEL #4, 20 X484,982, Y1		3983.00 (base)
T-TIME SEC	DIR DEG	SPEED KTS	T-TIME SEC	DIR DEG	SPEED KTS
T -30	266	10	T -30	266	11
F 20	270	09	T-20	256	16
F 10	255	10	T-10	252	16
0.0	273	08	T0.0	246	12
+10	242	12	T +10	232	12

AB	LE		

POLE #1 X485,87 Y185,95 H4018.7 38.7 ft	8.90 4		POLE #3 X485,87 Y186,013 H4033.5 53.0 ft	4.93 2.00 7		POLE # X485,87 Y186,11 H4063.9 83.6 ft	7.29 6.06 2	
T-TIME SEC	DIR DEG	SPEED KTS	T-TIME SEC	DIR DEG	SPEED KTS	T-TIME SEC	DIR DEG	SPEED KTS
T-30	243	19	T - 30	261	16	T - 30	271	18
T-20	242	17	T-20	258	14	T-20	265	19
T-10	240	15	T-10	265	12	T-10	264	21
T0:0	243	16	T0.0	258	14	T0.0	269	18
T+10	242	16	T+10	257	15	T+10	279	20

TABLE 5 LC-33 METEOROLOGICAL TOWER ANEMOMETER MEASURED WINDS (202 FT TOWER)

LEVEL #1, 1 X484,982.64		73, H3983.00 (base)	LEVEL #2, 62 X484.982.64		3, H3983.00 (base)
T-TIME SEC	DIR DEG	SPEED KTS	T-TIME SEC	DIR DEG	SPEED KTS
T-30	268	14	T-30	260	21
T- 20	273	15	Τ-20	264	20
T-10	272	14	τ -10	261	20
T0.0	255	14	т0.0	259	18
T+10	253	12	T+10	261	18

LEVEL #3, 10 X484,982.64	02 FEET Y185.057.7	3, H3983.00 (base)	LEVEL #4, 20 X484,982, Y1		3983.00 (base)
T-TIME SEC	DIR DEG	SPEED KTS	T-TIME SEC	DIR DEG	SPEED KTS
F30	255	19	Τ-30	255	18
T-20	256	19	T-20	246	19
T-10	250	20	7-10	254	. 17
то.о	251	17	T0.0	251	17
T+10	248	17	T+10	255	17

THIME PILOT-PARLOWS IN MARKET WITH AS IN

DATE 16 April 1982

SITE: WSD

TIME: 1020 MST

MSTM COORDINATES:

X = 488,580.00

Y = 185,580.00

H=3,989.00

SITE: DON

TIME: 1020 MST

WSTM COOPDIMATES:

 $\chi = 511,988.37$

y = 247,396.36

H= **3,996.83**

LAYER MIDPOINT	DIRECTION DEGREES	SPEED KNOTS	LAYER MIDPOINT METERS AGL	DIPECTION DEGREES	SPEEU EHOTS
SURFACE	300	06	SUPFACE	260	10
150	280	14	150	252	11
210	272	15	210	250	11
270	284	19	270	257	11
33 0	276	21	330	264	10
390	270	19	300	270	10
500	278	18	Son	281	11
650	277	18	650	291	10
800	286	18	ຍດວ	280	11
950	290	20	950	276	11
1150	283	21	1150	277	13
1350	272	20	1350	277	16
1750	268	19	1550	273	21
1750	264	17	1750	263	24
2000	261	19	2000	262	36

Data obtained from Nike-Herc Radar Tracked pilot-balloon observation

Data obtained from single Theodolite Tracked pilot-balloon observation

4-TIME PILOT-DALLOON MANAGES - MANAGES

(m) 11 16 April 1982

SITE: WSD

THE: 1028 MST

MISTAL COMPORTATES:

%= **488,580.00**

Y = 185,045.00

11= 3,989.00

SITE: DON

TIME: 1028 MST

JSTM COOPDINATES:

χ₌ 511,988.37

 $\gamma = 247,396.36$

H= 3,996.83

LAYER MIDPOINT	DIRECTION DEGREES	SPEED KNOTS	LAYER MIDPOINT METERS AGL	DIRECTION DEGREES	SPEED KYDTS
SURFACE	255	12	SUPFACE	270	08
150	280	27	150	268	09
210	285	24	210	269	09
277	271	23	270	270	80
330	279	22	330	271	80
390	281	19	300	271	80
590	285	20	500	271	07
! 5°}	290	19	(5)	278	80
ن (۱:8	269	20	800	288	10
950	267	23	950	277	10
1150	. 271	24	1150	266	11
1350	272	24	1350	263	13
1550	274	26	1550	266	17
1750	268	26	1750	269	24
2000	255	31	2000	MIS	G

Data obtained for Nike-Herc
Tracked pilot-balloon observation.

Data obtained from single Theodolite Tracked pilot-balloon observation.

AIMING and T-TIME COMPUTER MET MESSAGES 16 APRIL 1982

WSD 0700	MST	LC-37 08	30 MST
METCM1324 161400122	064	METCM1324 161550124	063
00480004	29060875	00462008	29340875
01505015	29070865	01514015	29210865
02498013	28980840	02518016	28930840
03505022	28600801	03526009	28570801
04501024	28130754	04479019	28130754
05486031	27690709	05479026	27700710
06471035	27270667	06466041	27440667
07459041	27070626	07455041	27220627
08474040	26970588	08463034	26980589
09470038	26720552	09460033	26590552
10467039	26350517	10465037	26200518
11459041	25940485	11459039	25820485
12465053	25410439	12457052	25350439
	MST	LC-37 10	
METCM1324	064	METCM1324	063
METCM1324 161600122	876	METCM1324 161730124	063 876
METCM1324 161600122 00444013	064 876 29480876	METCM1324 161730124 00480007	063 876 29500876
METCM1324 161600122 00444013 01496016	064 876 29480876 29180865	METCM1324 161730124 00480007 01475017	063 876 29500876 29260866
METCM1324 161600122 00444013 01496016 02494021	064 876 29480876 29180865 28900840	METCM1324 161730124 00480007 01475017 02472023	063 876 29500876 29260866 28940841
METCM1324 161600122 00444013 01496016 02494021 03519021	29480876 29480865 29900840 28550801	METCM1324 161730124 00480007 01475017 02472023 03477022	063 876 29500876 29260866 28940841 28590802
METCM1324 161600122 00444013 01496016 02494021	064 876 29480876 29180865 28900840	METCM1324 161730124 00480007 01475017 02472023	063 876 29500876 29260866 28940841
METCM1324 161600122 00444013 01496016 02494021 03519021	29480876 29480865 29900840 28550801	METCM1324 161730124 00480007 01475017 02472023 03477022	063 876 29500876 29260866 28940841 28590802
METCM1324 161600122 00444013 01496016 02494021 03519021 04488024	29480876 29480865 29180865 28900840 28550801 28090755	METCM1324 161730124 00480007 01475017 02472023 03477022 04473023	063 876 29500876 29260866 28940841 28590802 28150755
METCM1324 161600122 00444013 01496016 02494021 03519021 04488024 05475027	29480876 29480876 29180865 28900840 28550801 28090755 27610710	METCM1324 161730124 00480007 01475017 02472023 03477022 04473023 05467027	063 876 29500876 29260866 28940841 28590802 28150755 27720710
METCM1324 161600122 00444013 01496016 02494021 03519021 04488024 05475027 06473031	29480876 29480876 29180865 28900840 28550801 28090755 27610710 27270667	METCM1324 161730124 00480007 01475017 02472023 03477022 04473023 05467027 06457041	063 876 29500876 29260866 28940841 28590802 28150755 27720710 27420668
METCM1324 161600122 00444013 01496016 02494021 03519021 04488024 05475027 06473031 07459041	29480876 29480876 29180865 28900840 28550801 28090755 27610710 27270667 27130626	METCM1324 161730124 00480007 01475017 02472023 03477022 04473023 05467027 06457041 07469039	063 876 29500876 29260866 28940841 28590802 28150755 27720710 27420668 27170627
METCM1324 161600122 00444013 01496016 02494021 03519021 04488024 05475027 06473031 07459041 08466032	29480876 29480876 29180865 28900840 28550801 28090755 27610710 27270667 27130626 27020588	METCM1324 161730124 00480007 01475017 02472023 03477022 04473023 05467027 06457041 07469039 08462037	063 876 29500876 29260866 28940841 28590802 28150755 27720710 27420668 27170627 26880589
METCM1324 161600122 00444013 01496016 02494021 03519021 04488024 05475027 06473031 07459041 08466032 09462030	29480876 29480876 29180865 28900840 28550801 28090755 27610710 27270667 27130626 27020588 26690552	METCM1324 161730124 00480007 01475017 02472023 03477022 04473023 05467027 06457041 07469039 08462037 09459038	063 876 29500876 29260866 28940841 28590802 28150755 27720710 27420668 27170627 26880589 26540553 26220518
METCM1324 161600122 00444013 01496016 02494021 03519021 04488024 05475027 06473031 07459041 08466032 09462030 10459038	29480876 29480876 29180865 28900840 28550801 28090755 27610710 27270667 27130626 27020588 26690552 26240518 25830485	METCM1324 161730124 00480007 01475017 02472023 03477022 04473023 05467027 06457041 07469039 08462037 09459038 10454038	063 876 29500876 29260866 28940841 28590802 28150755 27720710 27420668 27170627 26880589 26540553 26220518 25900485

6E0DETIC COOKUINATES 32.40043 LAT UEG 106.37033 LON DEG																				
ATA	REL.HUM. PERCENT	31.0	45.0	46.0	50.0	53.0	48.0	0.44	45.0	41.0	41.0	41.0	0.04	\$0.0	40.0	40.0	41.0	41.0	•	
SIGNIFICANT LEVEL DATA 1060020155 WHITE SANDS TABLE 9	TEMPERATURE Air Dewpoint Degrees centigrade	•	4.5	L++-	6.9	-6.7	-11.3	-12.3	-14.7	-13.9	-16.4	-17.4	-22.7	-25.6	-26.3	できたし	-39.9	-42.9	l	
SIGNIFICAN 1060 White Table	TEMPI Air Degrees	16.6	16.5	0.9	5. ¢	ا. ا	-1.8	-1.7	-3.7	-2.5	-5.2	-¢-+	-11.9	-15.1	-15.9	-24.7	-31.0	-34.3	-40.5	9.64-
MSL T	E GEOMETRIC ALTITUDE S MSL FEET	3989.0	4792.9	8640.8	10083.6	11021.7	11714.1	12066.4	13375.6	13629.8	15706.3	16456.9	18799.0	19967.1	20771.0	24283.3	27065.8	28366.7	30956.5	34967.6
STATION ALTITUDE 3989.00 FEET MSL 16 APR. 82 0700 HRS MST ASCENSION NO. 155	PRESSURE MILLIBARS	874.8	0.028	738.8	700.0			2.649	617.4	611.4	1992	248.2	200.0	477.2	462.0	0.004				250.0

				_	UPPER AIR UAT	A140			
STATION AL	ALTITUDE 39	3989.00 FEET MSL 0700 HRC MST	ET MSL		1060020155 WHITE SANDS	55		GEODETI	GEODETIC COORDINATES
SCENSI	. 15				TABLE 10	3 _		106.	88
SEOMETRIC ALTITUDE	PRESSURE		TEMPERATURE	REL.HUM. PERCENT	DENSITY GM/CUBIC	SPEEU OF SOUND	WINU DATA DIRECTION S	TA SPEED	INUEX OF
MSL FEET	MILLIBARS	0	CENTIGRADE	; I	METER	KNOTS	DEGREES (TN)	KNOTS	REFRACT 10N
3989.0	874.8	16.6	1.6	31.0	1049.1	0.499	270.0	4.1	1.000260
0	874.5	16.6			1048.7	0.499	270.3	4.2	1.000260
4500•0		16.5	2.9	39.9	1029.5	664.2	278.3	7.6	1.000263
000	843.6	15.9	9	45.1	1012.9	_	261.4	11.1	•
500	828.4	14.6	2.8	45.2	999.5	661	262.9	14.6	1.000257
0000	813.4	13.2	1.6	S	986.4		283.9	18.1	•
6200 • 0	798.7	11.8	.	4.0.4	973.4	•	284.1	20.7	•
7000-0	784.3	10.5	8	45.6	960.7		283.9	22.5	•
7500-0	770.2	9.1	-2.0	45.7	948.1	9	283.1	24.0	1.000236
80000	750.3	7.7	-3.2	45.8	935.6	Ψ	281.4	25.0	•
8500.0	742.6	9 • 6	# · # ·	46.0	923.4	652.1	279.9	26.0	1.000227
0.0006	728.9	5.1	-5.3	47.0	910.7	Ð	277.1	27.0	•
9500·B	715.4	3.9	0-9-	# · · · · ·	897.9		274.5	28.0	•
10000-0	702.2	5.6	9-9-	6.04 6.04	885.3		271.9	29.6	•
10200-0	1.689	1.2	7.7	51.5	873.3		209.4	\$. M.	1.000212
11000-0	5.076	N :	ė	52.0	861.6		0000	200	•
000CIT	100	-1	c.01-)))			25.0	33.6	
	638.5	5-6-	-13-1	n n	820.3	641.5	259.5	30.00	1.000194
13000-0	626.4	-3.1	-14.0	42.6	807.1		258.5	\$0.8	•
13500-0	614.5	-3.1	-14.3	41.5	791.7		259.4		•
14000-0	602.7	0.5-	-14.3	41.0	776.2		262.7	0 ° 0	1.000163
G-00C#1		0.5.	A	0	765.	0.01	2002	70.0	•
	90000 20000	70	-15.5		738.0		266.9	38.5	1.000174
16000-0	556.0	-5.7	-16.8	•	725.9		265.2	38.0	
16500-0	547.3	-6.5	-17.5	-	714.2		264.0	37.8	•
17000.0	536.6	7.7-	-18.7	60.0	703.5	635.1	264.1	37.6	1.000164
7500	256.2	8.8	-19.8	9 (692.9		7 - 670	37.0	•
8000	515.9	-10.0	-50.9	•	682.5		202	28.2	•
0	205.9	711.2	22.0		672.3	6.00.9	201.5	0 0 0 F	1.000156
	9.064	C+21	7.62	Э (C+200	7.670		,	•
-		'n۱	-24-5	9 (652.7	627	2002	ġ,	,0001
_	٥	តំ	52	9		626	7.967	י רי	# TOOO .
_		13.6	-26.1		620.8	623.4	250.0	~ c	1.000142
	1	7.7.1		, c	-	6	262.0	0	4000
22000-0	£30.0	19.0	250-1	000	601.8	م ه	•	54.1	1.000137
	30	-20.5	-30-3	_	592.5	619	263.3	7	00013
	451.6	-21.5	131.4	#0.0	33	618.	•	~>	.00013

STATION ALTITUDE 3 16 APR. 82 ASCENSION NO. 155	LTITUDE 396 2 No. 155	989.00 FEET MSL 0700 HRS MST	T MSL MST	V.	UPPER AIR DATA 1060020155 WHITE SANDS TABLE 10 CONT'D	* 0 -		6E0DET1032.	GEODETIC COOMDINATES 32.40043 LAT DEG 106.37033 LON DEG	
GEUMETRIC	PRESSURE	TEMP	TEMPERATURE	REL.HUM.	DENSITY	SPEED OF	WIND DATA	TA Secre	INDEX	
ALTITUDE MSL FEET	MILLIBARS	AIR DEGREES	CENT JGRADE	TENCEN.	METER	KNOTS	DEGREES (IN)	KNOTS	REFRACTION	
23500.0	413.1	-22.7	-32.6	40.0	574.4	616.6	259.7	53.6	1.000130	
24000-0	404.7	-24.0	-33.7	40.0	565.6	615.0	258.7	52.9	1.000128	
24500-0	396.	-25.2	-34.8	40.1	556.7	613.5	257.9	52.0	1.000126	
25000•0		-26.3	-35.8	40.3	547.5	612.1	257.5	51.8	1.000124	
25500-0		-27.5	-36.8	†•0	538.6	610.7	257.1	51.8	1.000122	
26000 · B		-28.6	-37.7	9.04	529.B	609-3	257.2	52.9	1.000119	
20500.0		-29.7	-38.7	40.8	521.1	601.9	257.4	53.7	1.000117	
27000-0	356.6	-30.9	-39.7	41.0	512.6	606.5	257.6	53.1	1.000115	
27500.0		-32-1	6.04-	41.0	504.3	6.409	257.7	52.6	1.000113	
28000.		4.05-	-42.0	41.0	496.5	603.3	257.7	50.6	1.000111	
28500 · D		-34.6	ト・わかー	38.9**	488.1	601.7	257.7	48.7	1.000110	
29000		-35.8	-46.8	31.0**	479.9	600.2	257.9	48.7	1.000107	
29500-8		-37.0	-50.4	23.1**	471.8	598.7	7-85Z	49.3	1.000105	
30000-0		-38.2	-54.9	15.1**	463.9	597.1	258.5	50.9	1.000104	
30500-0		-39.4	-61.7	7.2**	456.2	595.6	259.1	53.3	1.000102	
31000-0		9.0%			448.5	594.1	259.7	55.7	1.000100	
315006		-41.7			9.044	592.6	267.2	58.2	1.000098	
32000		-42.9			432.8	591.2	260.6	59.7	1.000096	
32500-0		0.44-			425.2	589.7	260.4	59.3	1.000095	
33000-0		-45-1			417.7	588•3	261.0	58.3	1.00003	
33500.0		-46.3			410.3	586.8	261.3	56.1	1.00001	
3+000 ·D		-47.4			403.1	585.3			1.000090	
34500.0		-48.5			396.1	583.9			1.000088	

** AT LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE WAS USED IN THE INTERPOLATION.

	GEODETIC COOKDINATES	32.40043 LAT DEG	106.37033 LON DEG
MANDATORY LEVELS	1060020155	WHITE SANUS	TABLE 11
	STATION ALTITUDE 3989.00 FEET MSL	16 APR. 62 0700 HRS MST	ASCENSION NO. 155

** AT LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE LAS USED IN THE INTERPOLATION.

	GEODETIC COORDINATES	32.40175 LAT DEG	106.31232 LON DEG
SIGNIFICANT LEVEL DATA	1060180029	LC-37	TABLE 12
	STATION ALIITUDE 4051.37 FEET MSL		ASCENSION NO. 29

REL.HUM. PERCENT		20.0
RATURE DEWPOINT CENTIGRADE	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	41.0
TEMPERATURE AIR DEWPOIN DEGREES CENTIGR	0 1 1 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	-25.0
GEOMETRIC ALTITUDE MSL FEET	4051.4 4871.1 10156.8 10995.2 10845.9 20662.8	. 63
PRESSURE MILLIBARS	84 44 50 50 50 50 50 50 50 50 50 50 50 50 50	400.0

TA MOLIAL	STATION ALTITUDE 405	4051.37 FEFT MSL	T IS	-	UPPER AIR UATA 1060180029	UATA 29		6EODE 11	GEODETIC COOKDINATES
16 APR. 82		0830 HRS MST	MST		LC-37			32	32.40175 LAT DEG
ASCENSION	%0.				TABLE 1	[]		106.	
GEONETRIC	PRESSURE	TEMP	TEMPERATURE	REL.HUM.		SPEED OF	WIND DATA	18	INUEX
ALTITUDE MSL FEET	MILLIBARS	AIR DEGREES	DEWPOINT CENTIGRADE	PERCENT	GM/CUBIC METER	SOUND	DIRECTION DEGREES(IN)	SPEEU KNOTS	OF REFRACTION
4051.4		19.8	30	13.0	1039.4	667	260•0	8.0	1.000245
500	861.3	18.0	-8.8	15.2	1029.2	665	9.89Z	8.0	.0002
S000.0	846.	16.2	-8-7	17.2	1017.2	663.	277.9	8.2	1.000241
5500.0		14.8	-9. 2	18.1	1003.4		280.6	8 .	
0.0009	815	13.5	7-6-	18.9	989.7		204.4	1.6	
6500-10	008	12.2	-10.2	19.8	976.3		291.4	•	1.000231
7000	, 48b	10.8	-10.8	20.6	1.006		2020	***	.00022
7500-0	757.7	ָרָה מיני	-11- -2	21.5	95000	655.4	27.6	10.5	1.000224
# 0000	74.		-12-7	23.0	9-966		272.4	•	•
90006	730	S. 50	-13.4	24.0	912.1		270.6	26.6	
9500-0	717.	4.2	-14-1	24.9	899.9		269.5	27.2	
10000-0	704.	2.8	-14.9	25.7	887.8		267.9	26.5	1.000207
10500-1	.169	2.1	-17.7	21.5	873.9		265.5	28.5	_
11000		1.6	-22.5	0.5	859.3		262.6	33.1	1.000197
	, C 49		6022-	7.4.	040.0 A41.5	7.640	256.7	4	
12500		1	20.00	14.3	817.9		256.5	41.0	
13000	628.	-1.2	-25.1	14.1	804.5		257.0	41.2	•
13500-0	919	-1.6	-25.6	14.0	790.7		258.8	39.3	_
14000-	• • • • • • • • • • • • • • • • • • •	-2.0	-25.8	.	776.7	2.169	260.1	37.6	•
14500-0	593	-3-1	-26.8	•	765.0		7.007	36.5	•
15000.1	581.7		-27.7 -28.7	0 c	753.4	638.9	250.1	300	1.000171
16000-0	559	9.9	-29.6	14.0	730.9		259.2	7.50	
10500.0	548	-7.8	-30.6	14.0	719.9		258.7	34.5	1.000163
17000·p	537.	-8.9	-31.5	14.0	709.1		258.9	7.90	•
17500-0	527	1.01-	432.4	0.4	698.5	631.9	2000 2000 2000 2000 2000	٠. د د د د د د د د د د د د د د د د د د د	1.000158
18500.0	507	12.4	Me and		677.7		259.0	35.8	
19000-0	497	-13.6	-35.2	14.1	667.5		258.5	36.5	•
19500-B	487	-14.8	-36.0	おの数目	657.1		257.8	38.2	1.000148
200002		4.01-	200	0.7	0.7 40		20167	? · · ·	1000
20500-6	4000 4000 4000	-17.1	-37.5	15.9	637.0	623.4	2000 2000 2000 2000	45.0	1.000143
01500.0	945	4.8.	-48.7	15.0	615.4		257.0	6	1000
22000-0	9	3.61	-39.5	15.1	604.6	620.7	257.3	53.8	
22500 • 6	431.	-20.6	-39.6	16.2	595.1		57		.0001
23000.0	422.	-21.8	0.04-	17.2	585.7	٥	•	•	1.000132
23500 · n	414.0	-23.0	-40.5	18.3	576.5	610.2			1.000129

GEODETIC COORDINATES 32.40175 LAT DEG 106.31232 LON DEG	INDEX OF REFRACTION	1.000127
6EODE 3	GEOMETRIC PRESSURE TEMPERATURE REL.HUM. DENSITY SPEED OF WIND DATA ALTITUDE AIR DEWPOINT PERCENT GM/CUBIC SOUND DIRECTION SPEED MSL FEET MILLIBARS DEGREES CENTIGRADE METER KNOTS DEGREES(IN) KNOTS	
DATA 29 [¹D	SPEED OF SOUND KNOTS	567.4 614.7
UPPER AIR DATA 1060180029 LC-37 TABLE 13 CONT'D	DENSITY GM/CUBIC METER	567.4
TABI	REL.HUM. PERCENT	19.3
ET MSL MST	PERATURE DEWPOINT CENTIGRADE	-41.0 19.3
4051.37 FEET MSL 0630 HRS MST 9	TEMP AIR DEGRÉES	-24.2
OL	PRESSURE MILLIBARS	24000.0 .405.6
STATION ALTITUDE 16 APR. 82 ASCENSION NO.	GEOMETRIC ALTITUDE MSL FEET	24000.0

	GEODETIC COOKDINATES	32.40175 LAT DEG	106.31232 LON DEG
MANDATORY LEVELS	1060180029	LC-37	TABLE 14
	STATION ALTITUDE 4051.37 FEET MSL	16 APR. 62 0830 HRS MST	ASCENSION NO. 29

PRESSURE	PRESSURE GEOPOTENTIAL		PERATURE	HEL.HUM.	UNIW.	DATA
			DEWPOINT	PERCENT	UIRECT 10N	SPEED
MILLIBARS	FEET	DEGREES	DEGREES CENTIGRADE		DEGREES (TN) KNOT) KNOTS
850•(4868	16.5	-8.6		275.5	d.1
800°		12.1	-10.3	20•	290.6	10.2
750.0		7.4	-12.4	23.	273-1	23.8
700-(•	2.4	-12'1	26.	267.5	26.3
650	•		-23.8	15.	256.6	41.6
•009		-2.5	-26.2	14.	260 • 1	37.1
550•(-7.6	-30.4	14.	258.8	34.5
500.	•	-13.3	-35.0	14.	258 • 7	36.3
#20·	•	-18.6	-38.7	15.	257.0	53.2
1.004	•	-25.0	-41.3	20.)	

N ALTITUDE 3989.00 FEET MSL 1. 82 0900 HRS MST 110N NO. 156	1.5r	SIGNIFIC 10 WHI	SIGNIFICANT LEVEL DATA 1060020156 WHITE SANDS TABLE 15	ATA	GEODETIC COOH 32.40043 106.37033
PRESSURE MILLIBARS	PRESSURE GEOMETRIC ALTITUDE ILLIBARS MSL FEET	TEMPE AIR Degrees	TEMPERATURE AIR DEWPOINT DEGREES CENTIGHADE	REL.HUM. PERCENT	
875.6	3989.0	21.0	6.1	23.0	
867.0	4267.3	17.5	-1.7	27.0	
850.0	4820.8	16.1	-2.9	27.0	
778.6	7240.1	4.1	9.0_	31.0	
700.0	10099.2	1.5	-10.9	39.0	
676.0	11018.8	æ• •	-12.7	0.04	
659.5	11667.7	# · ·	-19.0	23.0	
650.3	12035.8	-1.9	-20.5	23.0	
626.8	12997.3	-2.0	-20.3	23.0	
4.009	14121.0	-2.5	-21.5	21.0	
565.6	15672.2	8.4-	-23.7	21.0	
200.0	16809.8	-13.2	-30.8	21.0	
458.4	20964.7	-18.2	-34.6	22.0	
435.2	22236.3	-50.0	-35.7	23.0	
0.004	24274.3	-24.9	-37.1	31.0	
327.4	28955.7	-36.5	9.94-	9. * *	
307.6	30370.3	-39.5	-50.1	31.0	
300.0	30932.1	-41.0			

STATION AL 16 APR. B2	ALTITUDE 398 82	3989.00 FEET M 0900 HRS MST	ET MSL MST	-	UPPER AIR LATA 1060020156 WHITE SANUS	۲۸۲۸ 56 05		6E0DETIC 32.40	ETIC COORDINATES 32.40043 LAT DEG
	. 156	:			TABLE 16			106.	
GEOMETRIC ALTITUDE MSI FEFT	PRESSURE	ž	TEMPERATURE AIR DEWPOINT	REL.HUM. PERCENT	DENSITY GM/CUBIC	SPEEU OF SOUND	WINL DATA DIRECTION SPEED	IA SPEED KNOTS	INDEX OF DEFENCTION
HOL PEET	•		CEN TOWADE		-		UE GREES ' IN'		NET RAC 1 1 UN
3989.0	9.529	21.0	6	23.0	34.	0•699	250.0	ņ	1.000256
4000.0		20.9	6	23.2	1034.5	668.8	250.4	13.0	1.000256
4500.0		16.9	75.5	27.0	1030.3	664.3	560.4	14.9	.00025
5000-D	844	15.6	-3.1	27.3	1016.5	662.7	278.2	17.7	.00024
5500-0		14.3	-3.9	28.1	1003.0	661.2	285.7	20.1	•
60000°	814.	13.0	9.4-	28.9	9.686		290.7	20.8	1.000241
6500.D		11.7	-5.4	29.8	•	658	589. 5	21.0	•
7000	785	10.3	-6.2	30.6	963.4	656	200.0	21.5	•
7500 • D	771.	0.6	6.9-	31.7			279.0	23.4	•
8000		7.5	-7.6	33.1	•		275-3	25.1	•
8500-3	742.	6.1	₽.6-	34.5	•	651.	272.7	26.5	•
Ø-0006		4.7	-9.1	35.9	•	649	270.3	27.3	•
9500-1	715.	3.2	6.6-	37.3	6.006		267.9	26.5	9
10000-1	702.	1.0	-10.8	38.7	889.0	646	h-997	26.7	.00021
10500-1	689	'n	-11.7	30.4	876.5	6.449	7,997	28.1	
11000-0		9:	-12.6	40.0	864.0		264.0	28.4	9
11500-1	663.	5.	-17.0	27.4	847.3		561.9	30.3	•
12000-1	651.	-1.8	-20-1	23.0	35.		560.9	35.8	•
12500-0	636.	-1.9	-20.3	23.0	820.0	641.8	261.1	46.0	•
13000-1	626.	-2.0	-20.3	23.0	804.6		260.2	47.8	1.000185
13500-0	614.	-2.1	-20.8	22.1	789.6	641.	260.2	# . U	•
14000.0	603	-2.5	-21.4	21.2	774.9		260.8	0.40	1.000178
14200-8	591.	-2.8	-22-1	21.0	762.0		201.4	27.3	•
15000-0		-3-7	-22.8	21.0	749.9		2.092 2.092	28.2	1.000172
12200-0	96	n (-23.5	21.0	137.9		**************************************	20.00	•
16000-10	1000 1000 1000 1000	7.50	124.5	21.0	716.4	637.3	20.00 20.00) A	1.000166
17000			256.7	0.10	705.0		257.6		•
17500-0	526	7-6-	-27.8	21.0		632.5	257.3	34.1	
18000-1	510	-11.0	-29.0	21.0	•	630.	257.0	34.6	•
18500-1	500.	-12.4	-30-1	21.0	ŝ		256.7	35.2	.0001
19000-1	490.5	-13.6	-31.2	21.1	665.8		256.7	36.5	1.000151
19500-1	486.	-14.8	-32.0	21.3	ċ		ñ	34.0	.000
20000-0	476.	-16.0	32.	21.6	•	624	257.6	6.00	0001
20200.0	•	-17.1	33	21.8	ŝ		ė.	٥	• 0000
21000.0	_	-18.2	;	22.0	625.4		258•1	Ġ	.0001
21500.0	_	ċ	ŝ	22.4	•	621.2	258.5	50.1	0001
2	_	-	ŝ	ċ	'n	620.3	3	;	.00013
22500-0	430.5	0	-35.A	24.0		619.1	257.9	# 12 · O	000
3000	•	•	-36.1	26.0	584.4	617.7	•	47.5	1.000132

GEODETIC COORDINATES 52.40043 LAT DEG 106.37033 LON DEG	INUEX OF REFRACTION	1.000130	1.000123	1.000119 1.000117 1.000115	1.0000111	•
6EODETIC 32.4(106.37	PEED	50.5 51.5	50.6 50.8	51.0 52.0 52.0	4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	WIND DATA DIRECTION SI DEGREES(IN) KI	257.6	257.3	257.1 256.0 256.4	2556.6 2556.6 257.4	
0418 05 7'D	SPEED OF SOUND KNOTS	616.2	611.7	608.6 607.0 605.5	50 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1
STATION ALIITUDE 3989.00 FE _f T MSL 1060020156 16 APR. 82 0900 HRS MSI WHITE SANDS ASCENSION NO. 156	DENSITY S GM/CUBIC METER	575.1 566.1 557.0	548.0	530.4 521.8 513.4 505.2	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	
	REL.HUM. PERCENT	29.9	31.5	3000 3000 3000 3000 3000 3000 3000 300	50 50 50 50 50 50 50 50 50 50 50 50 50 5)
	ERATURE Dewpoint Centigrade	-36.4 -36.8	138.5		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	TEMP AIR DEGREES	123.0	26.7	-30.4	1.45.4	•
	PRESSURE MILLIBARS	413.0	387.8	371.5 365.7 356.0 346.4	341.1 333.6 326.6 319.6 312.7	•
STATION AL 16 APR. 82 ASCENSION	GEOMETRIC ALTITUDE NSL FEET	24000.0	25000-0 25500-0	26500.0 26500.0 27000.0 27500.0	282000 282000 290000 290000 20000 20000 20000)

** AT LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE WAS USED IN THE INTERPOLATION.

MARCH ORT LEVELS	106002015 ₀	WHITE SANDS	TABLE 17
	STATION ALTITUDE 3989.00 FEET MSL	16 APR. 82 0900 HRS MST	SCENSION NO. 130

LTES	DEG DEG
COOKDINATES	
Š	043
110	32.40043
GEODETIC	£ 0.1
G	

	PRESSURE	GEOPOTENTIA		ERATURE	EL.HOM	O ONIW	ATA
	MILLIBARS		AIR D DEGREES CE	AIR DEWPOINT P Brees centigrade	ERCENT	DEGREES(IN) KNO	SPEED
٠	950•0	, 4817.	16.1	-2.9	27.	274.4	16.6
	800.0		11.7	-5.4	30.	289.2	21.0
	750•(6.8	-8.0	34.	273-9	25.8
	2004		1.5	-10.9	39.	266.3	27.0
	9.059		-1.9	-20.5	23.	260.9	36.7
	9009		-2.2	-21.5	21.	261.0	31.7
	550.0		-6.7	-25.3	21.	258.4	34.5
	2000		-13.2	-30.8	21.	256.5	35.5
	450.0		-18.8	-35.0	22.	258 1	50.4
	J-00#		-24.9	-37.1	31.	257.8	52.0
	350.0		-32.6	-43.4	33.	256.7	52.4
	3000		-41.0			ŀ	

300.0 SUB/1. -41.0 ** A! LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE WAS USED IN THE INTERPOLATION.

SIGNIFICAMI LEVEL DACA	1060180030	LC-37	TABLE 18
	STATION ALTITUDE 4051.37 FEET MSL	16 APR. 82 1020 HRS HST	ASCENSION NO. 30

GEODETIC COOMDINATES 32.40175 LAT DEG 106.31232 LON DEG

STATION ALTITUDE		4051.37 FEET MSL	ET MSL	-	UPPER AIR DAT 1060180030	DATA 30		GEODET IC	C COOMDINATES
16 APR 82	Ş	102n HRS MST	MST					32.	32.40175 LAT DEG
ASCENSION NO	•				TABLE 19			000	2
GECME TRIC	PRESSURE		TEMPERATURE	REL.HUM.	DENSITY	SPEED OF	WIND DATA	1TA	INUEX
ALTITUDE			DEWPOINT	PERCENT	GM/CUBIC	Sound	DIRECTION	SPEED	30
MSL FEET	MILLIBARS	DEGREES	CENTIGRADE		METER	KNOTS	DEGREES (IN)	KNOTS	REF RACTION
4051.4	870.0	21.3	-8.2	13.0	1034.9	0.699	270.0	7.0	1.000245
4500.0	862.2	18.2	-8.0	16.0	1029.5	4.699	267.6	10.4	1.000244
5000-0	846.9	16.2	-8.8	17.1	1018.0	_	266.3	14.3	1.000241
5500.0	831.6	15.0	9.6-	17.4	1004.1		265.5	18.2	•
0.0009	810.	13.7	-10.4	17.7	990•5		267.0	19.1	1.000233
6200-6		12.4	-11.2		977.0	658.7	208.9	•	1.000230
7000	787	11.2	-12.1	18.2	•		210.5	22.0	1.000226
7500.0	775.2	6.0	-12.9	18.5	950.7	655.8	269.0	23.52 24.2	1.000222
0.000	7.5	0 ×	0.61	0 0	00166		2.007	60.00	4120001
0000	7.157	ָ הַלְּי	14.0	18.6	4.016	0 4 0 R	250	• 7	1.000212
02000	7.8	1	4.7.1	19.6	900		359.4	27.7	1.0001
10000.0	70.	3.5	-18.7	18.1			260.0	30.0	1.000205
10500-0	691	2.2	-19.7	17.8	874.4		260.7	32.4	1.000201
11000-0	678.	1.5	-20.6	17.4	860.3		261.3	33.9	1.000198
11500-0	665		-21.5	17.0	846.5		561.5	32.6	1.000194
12000-0	653	0.	-22.4	16.6	832.B		261.7	31.6	1.000191
12500-0	641.		-23.2	16.2	819.4		201.6	30.9	1.000187
13000-10	629.	-1.5	-24.1	15.8	806.2	-	261.8	31.0	1.000184
13500-0	017.	-2-	-25.0	12. 12.	793.2		201.7	31.1	1.000181
14000-1	000	0.5	-25.9	1201	760.5	640.5	20103	30.64	1.000178
6-90C+T	יר האלו) ·	607	7	750	2.650	1.002		641000 1
15500-0		10.5	29.0	0 to 1	745.2	636.7	259.7	• •	1.000169
16000.0	260	-7.2	-30.0	a.	733.8		259.4	45.3	1.000166
16500.p	549	-8-3	-30.9	14.1	722.5		258.9	F. 4.4	1.000163
17000-0	538	2-6-	-31.5	14.3	710.8		257.9	8 · 0 · 0	1.000161
17500-2	226	-10.1	-32-1	ດ•+1	* 660 * 660		2002	1.85	1.000138
19500	507.8	11100	196.1	9	677.1	629.7	255.1	37.7	1.000153
90001	407-	12.9	-34°-	15.0	6666.2		254.7	39.9	1.000150
19500-0	487	-13.9	6.46-	15.0	655.4		254.5	3.22	00014
0000		-14.9	-35.7	15.0	6.449		254.3	46.7	1.000145
	468.6	-15.9	-36.5	15.0	634.5		254.3	46.7	1.000143
21000.0	459.2	-16.9	-37.3	15.0	624.2		254.8	•	1.000140
21500.0	450.0	-17.9	-38.2	15.0	614.2		255.7		1.000138
-	41.	-19.0	•	15.1	604.3	621	256.5	٠	1.000136
22500.0	32.	-20.3		ġ	595.1	619.5	457.0	46.9	1.000134
•	23.	÷	-39.5	18.0	96	617.			0001
23500.0	÷	-23.0	-39.9	19.5	577.2	616.2			1.000150

ATES DEG	0N 128
GEODETIC COCHDINATES 32.40175 LAT DEG 106.31232 LON DEG	INJEX D OF S REFRACTION 1.000128
GEODET1 32, 106,	TA SPEEU KNOTS
	WIND DATA UIRECTIUN SPEED DEGREES(IN) KNOTS
DATA 30 NT¹D	11Y SPEED OF UBIC SOUND ER KNOTS
UPPER AIR DATA 1060160030 LC-37 TABLE 19 CONT'D	DENSITY GM/CUBIC METER 568.4
TA	REL.HUM. DENSITY SHEED OF PERCENT GM/CUBIC SOUND UN E METER KNOTS DE S68.4 614.6
T MSL. MST	ERATUPE DEWPOINT SENTIGRAD
11.37 FEE 1020 HRS	TEMPE AIR DEGREES (
11TUDE 405 NO. 30	OMETRIC PRESSURE LITUDE L FEET MILLIBARS 24030.0 406.1
STATION ALIITUDE 4051.37 FEET MSL 16 APR. 02 1020 HRS MST ASCENSION NO. 30	GEOMETRIC PRESSURE ALTITUDE MSL FEET MILLIBARS 24030.0 406.1

	GEODETIC COOMDINATES 32.40175 LAT DEG 106.31232 LON DEG												
	6E00ETIC 32-49 106-3	DATA SPEED) KNOTS		13.5	20.2	24.2	30.9	31.1	35.5	£4.5	36.9	44.2	
		WIND DATA	DEGREES (TA	266.5	269•1	263.5	260•3	261•8	561.0	258.9	254 • 8	255.7	
EVELS	06	KEL.HUM.		17.	16.	19.	18.	16.	15.	14.	15.	15.	22•
MANDATORY LEVELS	1060180030 LC-37 TABLE 20	TEMPERATURE AIR DEWPOINT DEGREES CENTIGRADE		-8.6	-11.3	+++F-	-19.2	-22.6	-26.4	-30.9	-33.9	-38.2	-40.7
Ī		TEMP	DEGREES (16.5	12.3	7.7	2.7	2.	-3.5	-8.2	-12.7	-17.9	-25.3
	T MSL MST	PRESSURE GEOPOTENTIAL	FEET	4895.	6572.	8330.	10177.	12133.	14221.	16457.	1.8864.	21475.	24324.
	4051.37 FEET MSL 1020 HRS MST 10	PRESSURE G	MILLIBARS	850.0	800.0	750.0	700.0	650.0	0.009	550.0	500.0	450.0	0.004
	STATION ALTITUDE 16 APR. 82 ASCENSION NO. 3			-									

